

FIG. 1
(Prior Art)

FIG. 2

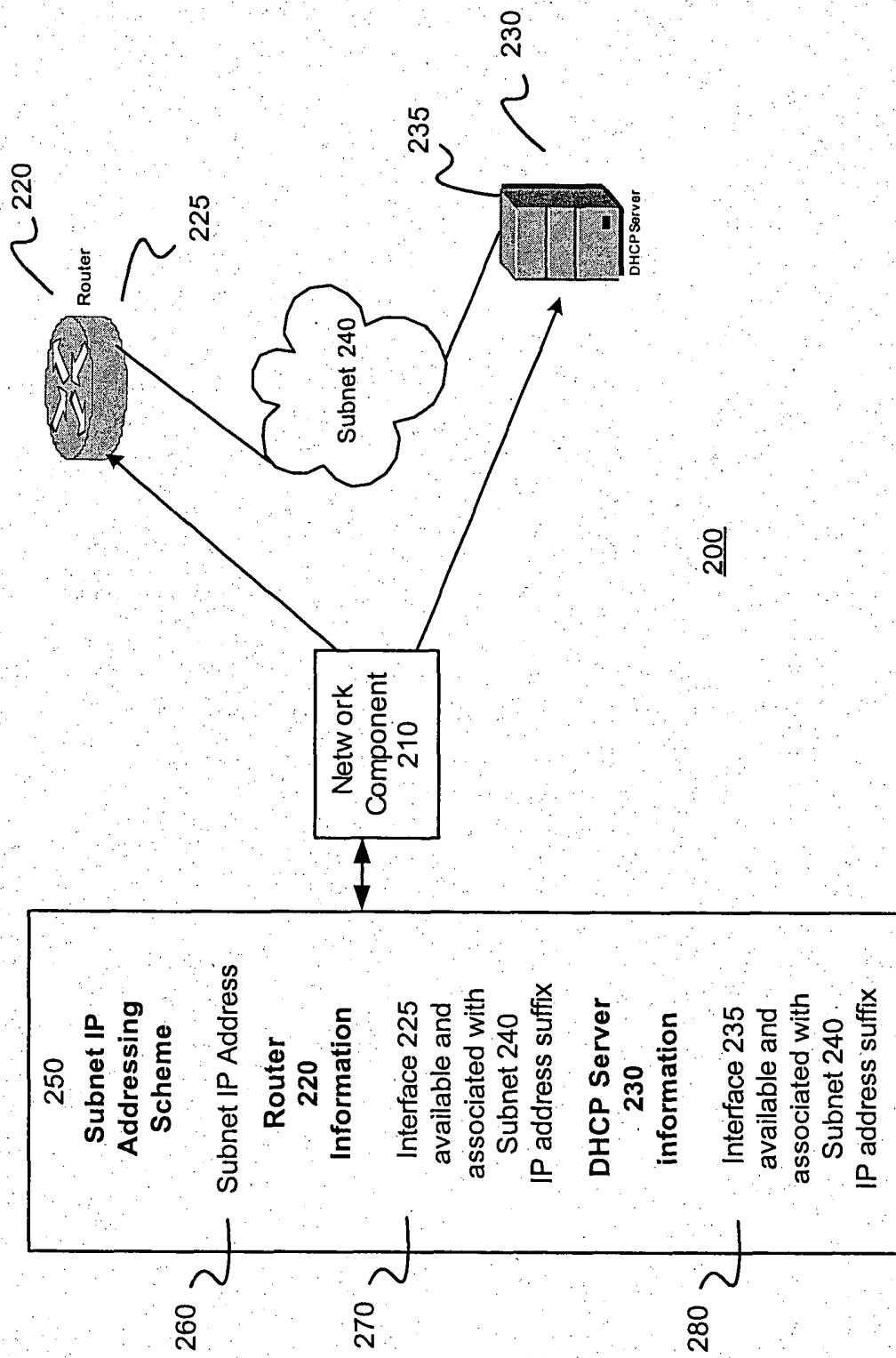
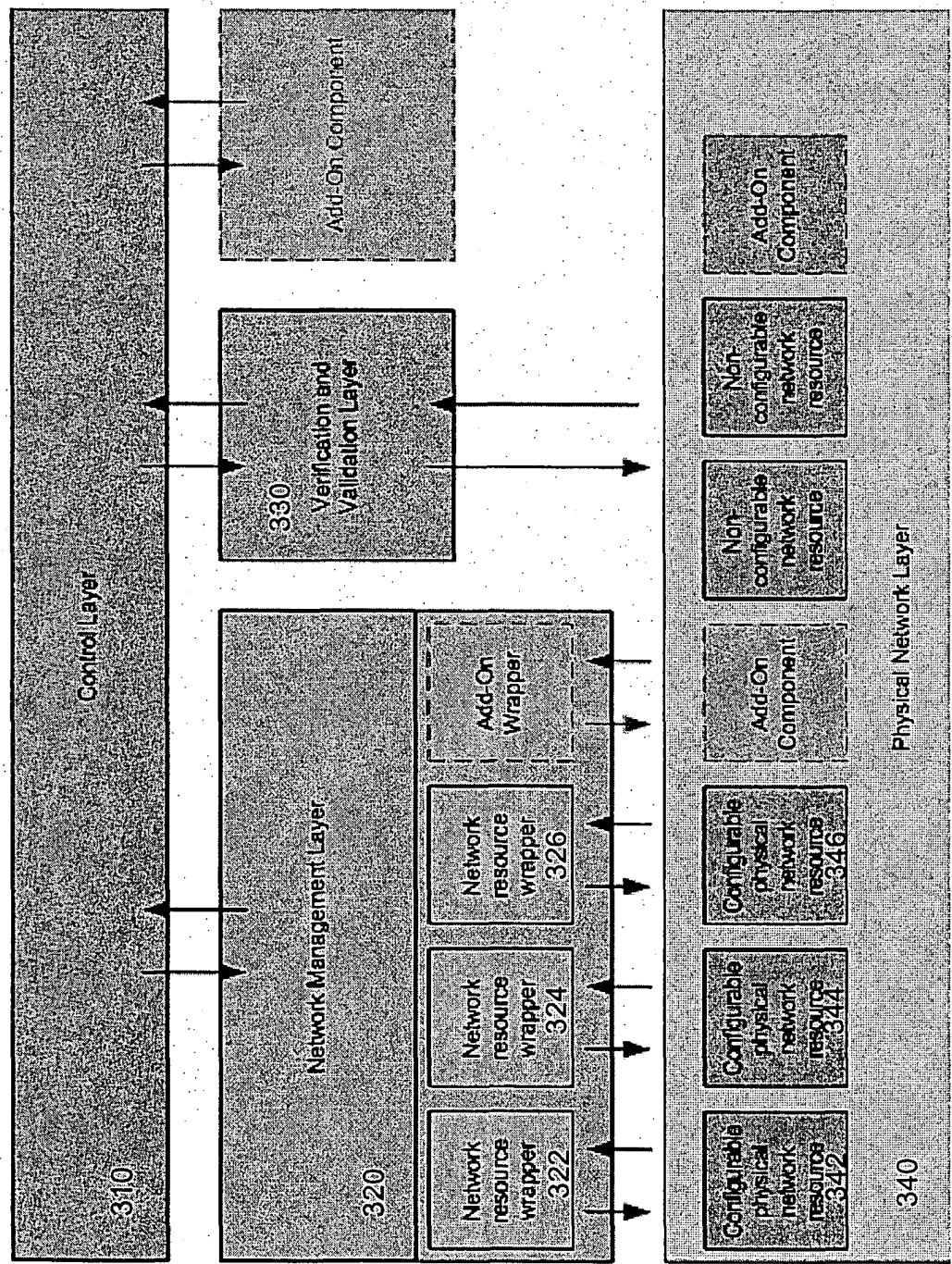


FIG. 3



402

[Dynamic Network Devices]

```
{ ## DeviceName OS(WIN2K|WINXP_PRO)  
## MAC_Address Subnet_suffix Card_type
```

404

[Non-Dynamic Network Devices]

```
#StaticDevName IPAddr1 ... IPAddrN
```

406

[Power Management Devices]

```
## HomeAddress (A-P)  
## DeviceCode (1-16) AssociatedDevice
```

408

[Hubs]

```
##HubName  
##AssociatedDevicesName
```

410

[VLAN Configuration]

```
##switchName switchIp switchPassword controlPort  
## Port Num (list of ports)  
## AssociatedDevice (list of devices)
```

412

[Routers]

```
{ ## routerName password controlIP  
## interfaceType interface suffix
```

414

[DHCP Servers]

```
## dhcpServerName password controlInterface controlAddress subnet  
## interface ipSuffix subnetMask routerSuffix
```

416

[Addressing Scheme]

```
## prefixType prefix
```

400

FIG. 4

505

Subnet1

Data data data...

TopologyType1

Data data data...

Device1

Data data data

PotentialMovement1

...

PotentialMovementN

DeviceN

Data data data

PotentialMovement1

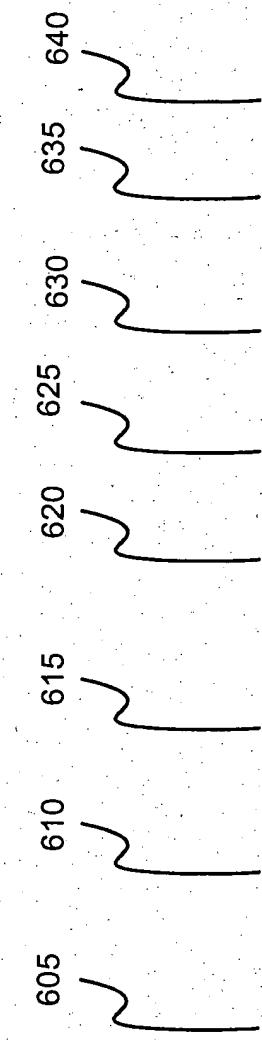
...

PotentialMovementN

500

SubnetN

...



600

proc configRouter { ipAddr passwd intfType intfNum intfIp subnetMask ext permitIp }

FIG. 6

705

SubnetGroupingType(internal, external)

715

SubnetSubsection1

Topology Type 1 (802.11a, 802.11b, etc)

...

Topology Type N (802.11a, 802.11b, etc)

...

SubnetSubsectionN

Topology Type 1 (802.11a, 802.11b, etc)

...

Topology Type N (802.11a, 802.11b, etc)

710

DeviceSection

"n" DeviceTypes StartLocation

700

FIG. 7

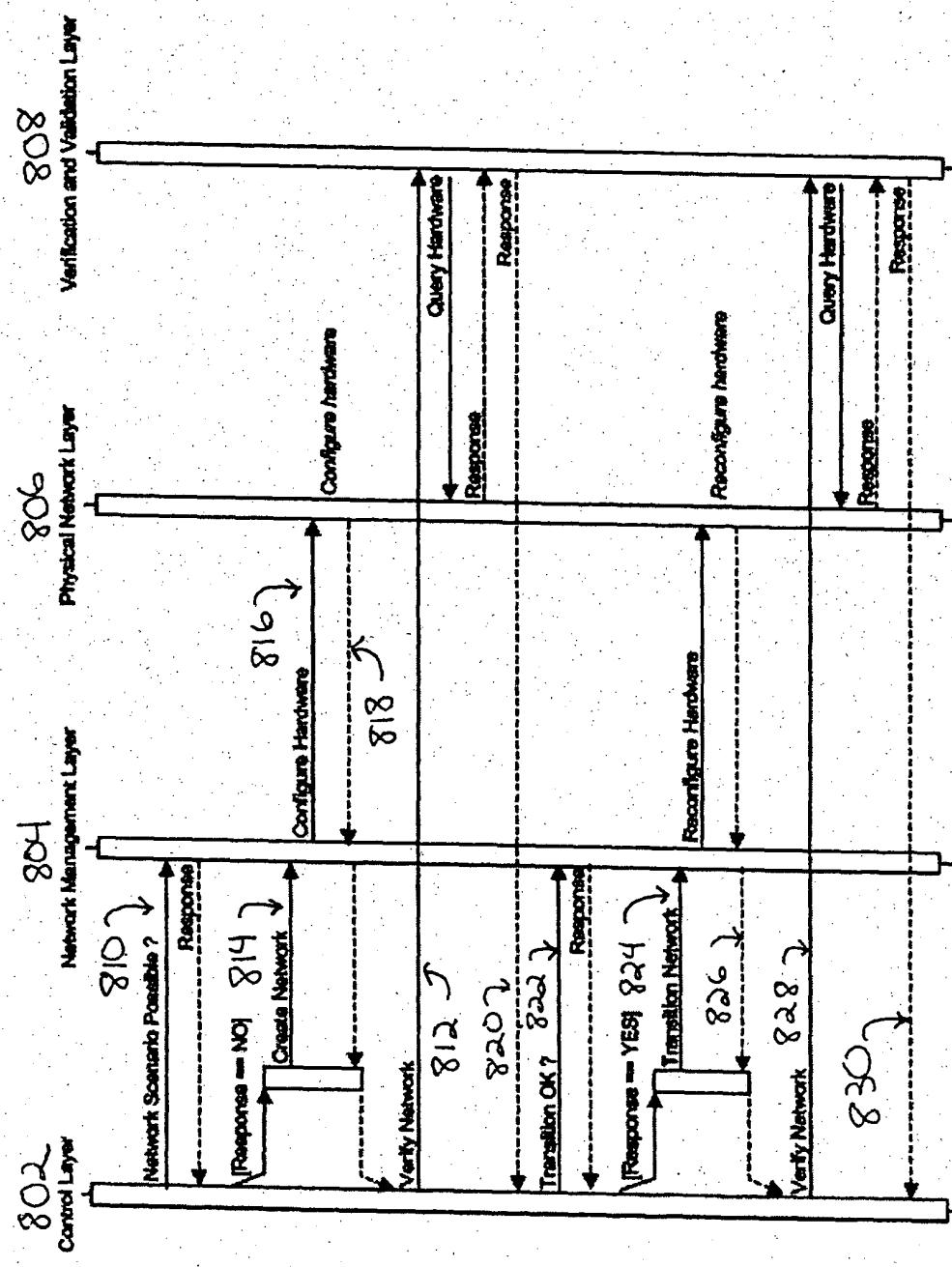


FIG. 8

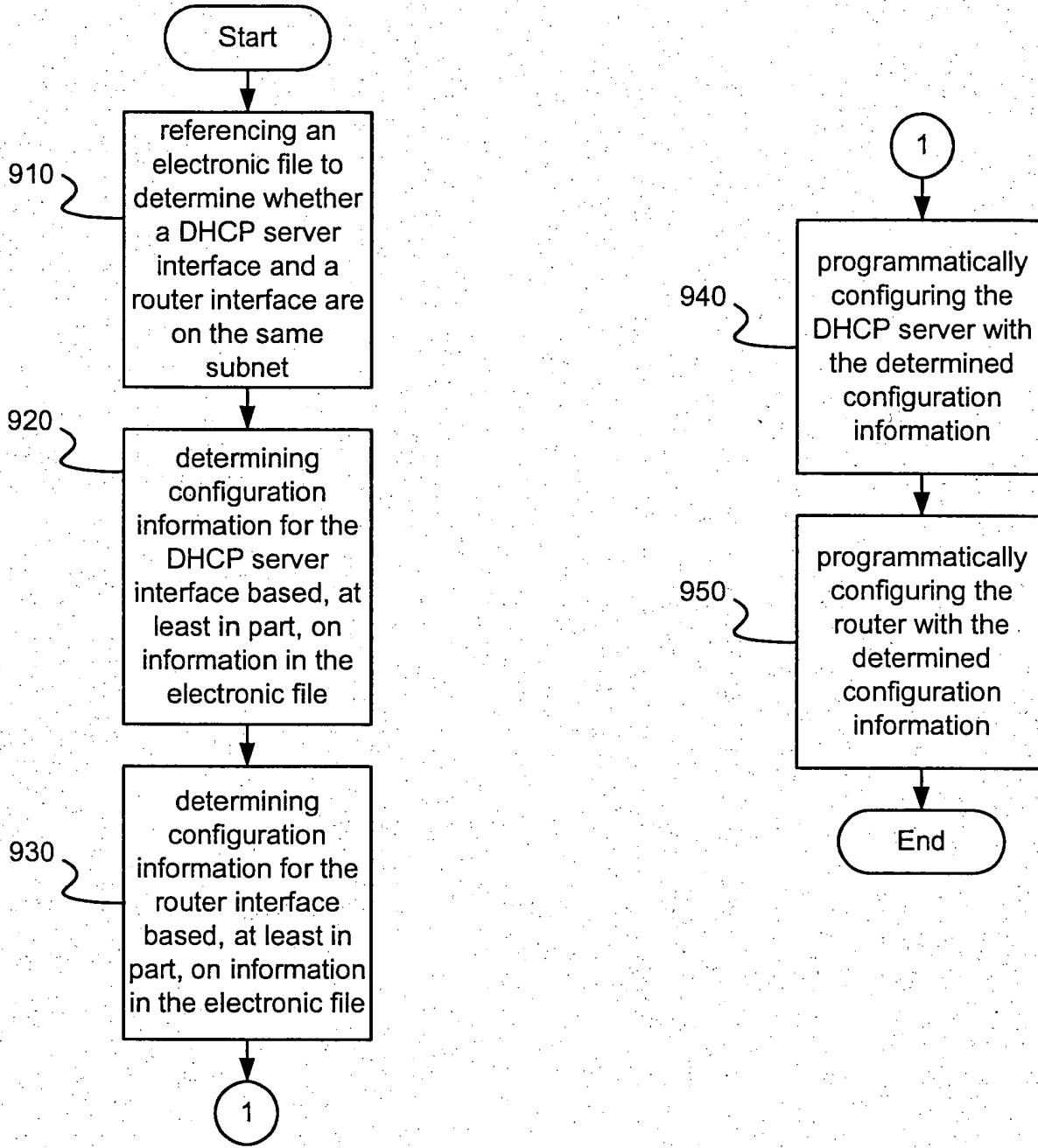
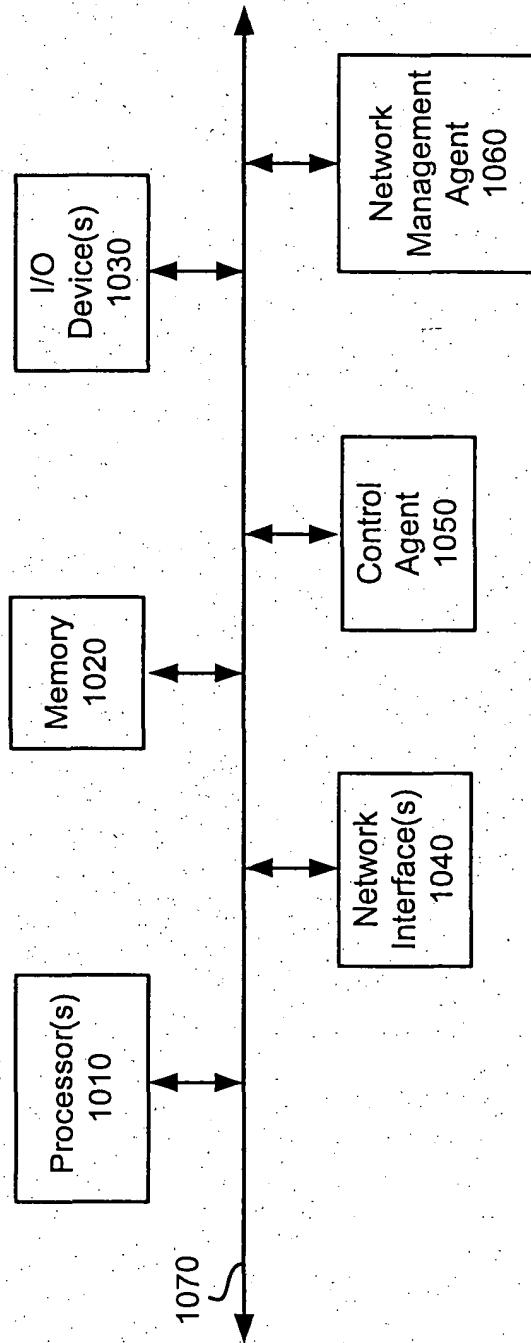


FIG. 9

FIG. 10



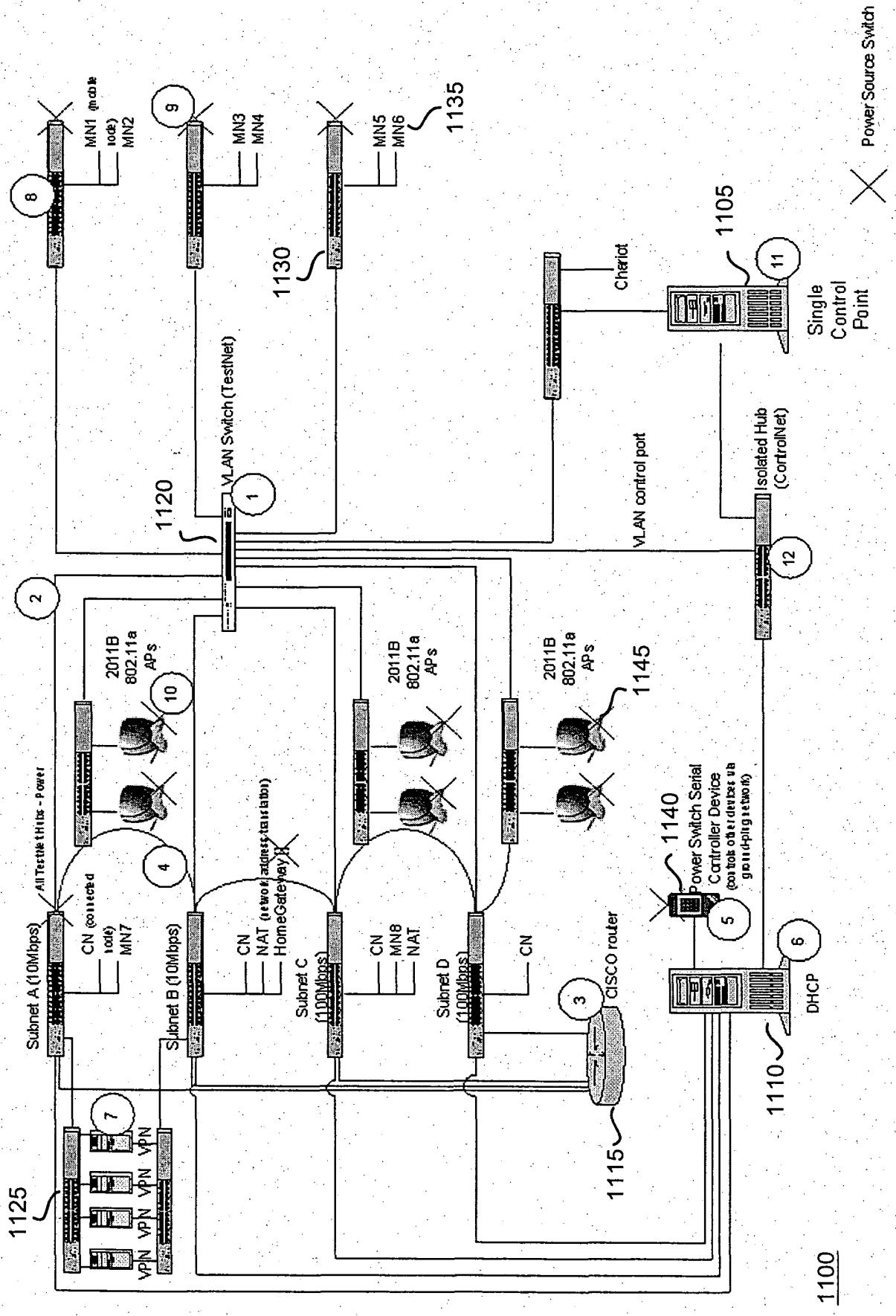


FIG. 1